Index to Volume XIX, The Welding Engineer (1934)

Lead articles are marked with an asterisk (*)

Legend: Ja, January; F, February; Mar, March; Ap, April; May, May; Jun, June; Jul, July; Au, August; S, September; O, October; N, November; D, December.

A

Month and Page

*A. C. vs. D. C. Welding....D-15
Accidents (See **Safety**)
Alloy Steels Are Coming Into the Picture....Ja-11
Aluminum Coating Cuts Down Heat Radiation....Ap-24
American Welding Society, Annual Meeting....Ap-19
American Welding Society Elects New Officers....May-25
*American Welding Society, Program of the Fall Meeting....S-35
*Aqueduct, Colorado River, Building Reinforcing Cages for....Jul-15
Architecture, Let Good, Sell Steel Houses....Jul-13
Arc, Metallic, Cast Iron Can Be Cut With..May-30
Association (See **Job Welding Shops**)

Arc Welders—

*12 Rules to Follow If You Have the "Build-Your-Own" Fever....Ja-17
*A. C. vs. D. C. Welding....D-15
Arc Welder Will Pass Through Narrow Door....Ja-31
Cutting Costs by Scrapping Good Machines....Jun-13
*Evolution of Welding-Generator Design....Au-22, S-38, O-24
*Multiple-Operator Welding Sets or Single-Operator Sets—Which?....S-45
No More Breaking of Cable at Terminals....S-41
Standards for Arc and Resistance Welders....Jul-27

Automatic Welding, Steel Pipe Made by....Jul-16
Axle Pullers. Welded Bolt Serves as....O-26

B

Bakeries, Kroger, Adopt All-Welded Flash Pans....Ap-30
Base Plates, Welded, for Huge Bridge Towers....N-28
Battledeck Floor Performs as Single Unit....Ap-29
Bearings, Building-Up, in Paper Mill....F-32
*Blast Furnace, Modernizing a....Ap-26
Boiler Drums, Welded, for New Cruisers....Au-28
Boiler, Warm, Quick Repair Job on a....Mar-34
Boiler, Welded, Aluminum Coating Cuts Down Heat Radiation of....Ap-24
Boiler, Welding Allows Reduction in Size of....F-32
*Boilers, Piping and Equipment of a Mercury-Steam Power Plant, Application of Welding to....F-26
Bolt, Welded, Serves as Axle Puller....O-26
Book Reviews....F-30, Mar-30, D-27
*Boulder Dam Cylinder Gates and Nose Liners, Welding on the....Jul-17
Boulder Dam, Views From....Mar-27
Brass Heads, Cast, Welding Bronze Rollers to....Au-19
Brazing (See **Bronze Welding**)

Bridges—

Bridge Roadway of Welded Steel Plates....Jul-25
*Caisson Welding on the World's Largest Bridge....F-17
*Details of Design and Construction of the World's Largest Welded Bridge....Jul-23
Handrails Cleaned and Welded to Check Rusting....O-19
"Long-Tom" Helps to Dismantle a Bridge..F-25
*Minnesota Qualifies Operators for Bridge Construction and Repair....May-24
San Francisco Group Views Progress of Large Bridges....Jun-21
Welded Base Plates for Huge Bridge Towers....N-28

Bronze Rollers, Welding, to Cast Brass Heads....Au-19

Bronze Welding (Also see Copper)—

Brazed Water Heater Tested to 850 Lb....Jun-26
Building Up Bearings in Paper Mill....F-32
Repairing Garbage Reducers by Welding..Au-25
Welder's Experience With Brazing, A....N-28
Welding Bronze Rollers to Cast Brass Heads....Au-19

Bucket, Thermit Repair on....May-27
Building Up Bearings in Paper Mill....F-32

C

Cable, No More Breaking of, at Terminals....S-41
*Cages, Reinforcing, for Large Colorado River Aqueduct....Jul-15
*Caisson Welding on the World's Largest Bridge....F-17
Carbide Cans, Preheating Furnaces Made of....S-54

Cast Iron—

*Arc Welding Cuts Maintenance Costs in Rock-Products Plants....O-20
*Cast-Iron Arc-Welding of Wobbler Ends of Strip-Mill Rolls....S-25
Cast Iron Can Be Cut With Metallic Arc....May-30
*Comparison of Steel and Cast Iron for Stress-Transmitting Mechanisms, A....D-20
Half of Casting Missing—Shop Repairs It....O-30
Job Welded 25 Years Ago Still in Service....F-36
*Metallic-Arc Welding of Gray Cast Iron..N-23
Quick Repair Job on a Warm Boiler....Mar-34
Repair Requires Careful Preheating and Cooling....Ap-30
Simple System for Welding Cast-Iron Engine Heads....O-18
Speedy Arc-Welding Repair of Cast-Iron Housing....O-19
*Welding in Plant Rehabilitation....F-19
*Welding With Electrodes Having a Contrasting Anaylsis to That of the Parent Metal....N-18

Chains, Hard-Facing, to Increase Their Life....Ja-26
Charring of Wood for Ornamentation....Jun-16
Chicago Section A. W. S. Holds Regional Meetings....D-24
Chrome-Molybdenum Steel, Arc-Welded Frames of....Au-29
*Coaches, Milwaukee, All-Welded Construction for....O-27
Coatings, Electrode, Disposes of Patents on....Jun-32

Codes and Specifications—

British Now Accept Welded Pressure Vessels....S-27
Code Covers Construction of Petroleum Vessels....O-29
Draws Up Tentative Qualification Code....Jul-27
Gas-Welding-Code Authority Elects Ten Members....S-29
NRA Puts Welding Shops Under Machine Shop Code....O-21
Petroleum Welding Code Gives the Small Fabricator a Break....N-13
Playing Hide-and-Go-Seek With Specifications....Ap-15
President Approves Oxyacetylene Code....Ja-20
Publishes Regulations on Acetylene Cylinders....Jul-22
Standards for Arc and Resistance Welders....Jul-27
Submits Code for Vessels for Petroleum Fluids....Mar-16
Tentative Specifications for Welded 18-8 Steel....Jul-16

Commercial News....Ja-30, F-34, Mar-32, Ap-34, May-35, Jun-32, Jul-32, Au-35, S-52, O-34, N-34, D-36
Contractors (See **Job Welding Shops**)
*Copper, Electrolytic, Tests of Welds Made With Standard Commercial Welding Rods....May-17
Costs, Cutting, by Scrapping Good Machines....Jun-13
Cots, Welded, for Army, 108 Miles of....D-24
Crane, Crawler-Type, Worn Rivets Replaced With Welding....May-27
Crankshaft, Broken, Saves $475 by Repairing....N-27
Cruisers, Welded Boiler Drums for New....Au-28
Cutting (See **Flame Cutting**)
Cutting, Cast Iron, With the Metallic Arc..May-30
Cylinders, Acetylene, Publishes Regulations on....Jul-22

D

Demonstrating Welding and Fuel Gases, Trailer for....S-41
*Demonstrations, Welding, Added to This Year's World's Fair Attractions....Jun-22
Derricks, Welded, That Are Portable....Ja-28
Displays, Welding, Getting the Most Out of....S-23
Drags, Farm, Repairs and Sells....N-34
Drama Shows How Welding Revived a Business....D-24
Dredger, Large, Sea-Going, Repaired by Welding....May-21
*Drilling, Oil Wells, Welding Applied to....F-23
Drums, Stainless-Steel, for Coco Cola Co....F-22
Dry-Cleaning Unit of Welded Construction..Ja-28
Duralumin, Sprayed, Builds Up Piston With....Ja-27

E

Editorial—

Alloy Steels Are Coming Into the Picture; First We Know and Then We Don't; the Conference Season Is Here....Ja-11
Contribution of Welding to the Modern Power Plant....F-15
Outlook Is Bright for Extensive Programs of Rail-End Welding; Don't Cut Costs at the Expense of the Welding Force....Mar-13
Playing Hide-and-Go-Seek With Specifications; The Steel Erector Takes a Tip From the Tailor....Ap-15
The Status of Qualification Tests for Welding Operators; Though the Sky-Ride Is Still There, It's a New Fair....May-15
When the Job Couldn't Be Done, Another One Did It; Skeptics Are Not So Plentiful as at One Time; Cutting Costs by Scrapping Good Machines; The Mighty Welded Tube Was Once a Lowly Railroad Rail....Jun-13
Let Good Architecture Sell Steel Houses..Jul-13
The Business of Metal Spraying....Au-15
Getting the Most Out of Welding Displays; Welding Shops Can Help in Making the Truck-Trailer Safe; The Last Call to See the Biggest Show on Earth....S-23
Developments in Control Create Wider Use for Welding....O-15
Petroleum Welding Code Gives the Small Fabricator a Break....N-13
Season's Greetings....D-13

Earthquake Bracing, New Buildings to Have Welded....Ja-27
Electric Control, Developments in, Create Wider Use for Welding....O-15
Electrode Coatings, Disposes of Patents on....Jun-32
*Electrodes Having a Contrasting Anaylsis to That of the Parent Metal, Welding With....N-18
Engine Heads, Cast Iron, Simple System for Welding....O-18
Explosions (See **Safety**)

F

Fan, Home-Made, Keeps Texas Shop Cool..May-30
Fan Sprayed With Lead to Resist Attack by Fumes....Jun-26
Flagpole, Welded, Reaches Height of 107 Ft....S-47

Flame Cutting—

"Long-Tom" Helps to Dismantle a Bridge....F-25
*Oxyacetylene Cutting as an Aid to Welded Design....Ja-13
Torch vs. Grinding Wheel for Reducing Riser Necks....May-30

Flash Pans, All-Welded, Kroger Bakeries Adopt....Ap-30
Floor, Battledeck, Performs as Single Unit..Ap-29
Floor, Bridge, of Welded Steel Plates....Jul-25
Floor, Steel, Design of, Endows Fellowship on....Jun-24
Ford Building, Welded Steelwork in the, at A Century of Progress....May-22
Furnace Annealing, Stainless-Steel Covers for....May-28

G

Garbage Reducers, Repairing, by Welding..Au-25
Gases, Welding and Fuel, Trailer for Demonstrating....S-41
*Gas-Holder, All-Welded, Erecting an....Ap-20
Gas Manufacturers Elect Officers....F-28
Gas Manufacturers, Summer Meeting of....May-25

Index to Volume XIX, The Welding Engineer (1934)—(Continued)

Lead articles are marked with an asterisk (*)

Legend: Ja, January; F, February; Mar, March; Ap, April; May, May; Jun, June; Jul, July; Au, August; S, September; O, October N, November; D, December.

Month and Page

Gasometer, Welded 5 Years Ago Still in Good Condition N-24
Gear, Cast Steel, Repair of Large O-26
Gear Guards, Oil-Tight, Carbon-Arc Welding of Au-32
Generators, Waterwheel, for Boulder Dam May-27
Get "H. O. T." on Welding Ja-24, F-31, Mar-28, May-32, Jun-24, Jul-22, Au-29, S-36, O-26, N-22, D-25
Glass-Lined All-Welded Tanks Ap-27
Gold-Panning Machine Made by Welding May-29
*Government Contract Work, Qualifying Operators for Mar-17
Grand Rapids Welding Show Draws Large Crowd Jun-21
Grandstand, New, Much Welding in F-32

H

Handrails Cleaned and Welded to Check Rusting O-19

Hard-Facing—

Hard-Faces Plow Share, Then Forges Out Point May-36
Hard-Facing Chains to Increase Their Life Ja-26
Hard-Surfacing Steel Inserted Valve Seats N-22
*Repairing Manganese-Steel Equipment N-26

Hard Spots Softened With Torch Before Drilling S-47
Hard-Surfacing (See **Hard-Facing**)
Helmet and Hat, Inspector's, Combined in One Ja-31
Hoe Made Better Than New by Welded Repair S-44
*House, Crystal, A Welded Framework for the Jun-15
Houses, Steel, Let Good Architecture Sell Jul-13

I

*Ice-Cream Mixing Tanks, Reconditioning, by Welding and Metal Spraying Au-27
*Insurance Man Changed His Mind? Has the Au-20
International Acetylene Association to Meet in Pittsburgh S-33
Iowa and Texas to Hold Welding Conferences N-29
Iowa State College Holds Successful Conference F-18
Iron and Steel Engineers to Hold Session on Welding Au-31

J

Jacobus, Doctor, Elected Head of Welding Society May-29

Job Welding Shops—

Activities Regarding the National Association Au-19
Chicago Shop Owners Vote to Change Name Jun-26
Detroit Contractors Elect Officers May-25
Detroit Weldery Has Well-Equipped Plant Au-32
His Customers Don't Mind If He Attends Conference Mar-34
Home-Made Fan Keeps Texas Shop Cool May-30
If It Can't Be Welded, They Take It to Mr. Robb Au-35
Iowa Meeting Called for Organizing Welding Shops Jun-21
Job-Shop Owner Hunts for Biggest Liar in County F-36
Job Shop Promotes Educational Meeting F-30
Louisville Welding Group Elects Officers Jun-25
National Association Makes Further Gains May-26
New Jersey Association Makes Progress D-26
NRA Puts Welding Shops Under Machine Shop Code O-21
Petroleum Welding Code Gives the Small Fabricator a Break N-13

Month and Page

Remodeled Shop Can Handle Both Big and Little Jobs Au-35
Risks in Handling Material in the Welding Shop N-24
Saginaw Valley Welders Form Organization Ap-29
*Selling the Services of the Job Welding Shop Mar-19
Welding Contractors Hold Convention Ap-19
Welding Shop Engages in Marine Repairs O-19
When the Job Couldn't Be Done, Another One Did It Jun-13

K

Kearny, Philip, Elected President of I. A. A. D-17
Kerosene Torches for Preheating S-41

L

Lead, Fan Sprayed With, to Resist Attack by Fumes Jun-26
Lead-Lined Welded Tanks, Obtains Contracts for Ap-36
Lift, Telescope Type, Welding Reduces Size of Ja-20
Lincoln, J. C., Awarded Miller Memorial Medal O-30
Locomotive, Steam, With Fusion-Welded Tank May-26

M

Mackenzie, Kenneth Burton Jul-16

Manganese Steel—

*Arc Welding Cuts Maintenance Costs in Rock-Products Plants O-20
Building Up Manganese-Steel Pump Shells O-29
*Repairing Manganese-Steel Equipment N-26
Retaining Strength and Ductility in Manganese Steel S-48
*Suggestions for Welding Manganese Steel Mar-15

*Manifold, Spherical, Welded, Design and Construction of a Au-26
*Marine Construction, The Status of Welding in O-22
Marine Repairs, Welding Shop Engages in O-19
*Marine Terminal and Welded Pipeline, Constructing a, in the Persian Gulf O-17
*Metal Congress, New York Will Play Host to S-32

Metal Spraying—

Aluminum Coating Cuts Down Heat Radiation Ap-24
Builds Up Piston With Sprayed Duralumin Ja-27
Builds Up Worn Wheel Hubs by Metal Spraying O-19
The Business of Metal Spraying Au-15
Fan Sprayed With Lead to Resist Attack by Fumes Jun-26
*Metals-Coating Process, The Jun-17
*Reconditioning Ice-Cream Mixing Tanks by Welding and Metal Spraying Au-27

*Mexican Republic, A Glimpse at Welding in the N-20
Milwaukee School to Hold Welding Exhibition D-26
Mining Congress, Welding Equipment Displayed at O-18
*Minnesota Qualifies Operators for Bridge Construction and Repair May-24
Motion-Picture Film on Arc-Welded Pipelines Jul-32
Motion-Picture Film on Gas Welding Available for Meetings Jun-25
*Multiple-Operator Welding Sets or Single-Operator Sets—Which? S-45
Museum Has Permanent Arc-Welding Demonstration N-24

N

Month and Page

New Equipment Ja-29, F-33, Mar-31, Ap-32, May-33, Jun-28, Jul-30, Au-33, S-49, O-32, N-31, D-32
Nickel, Welded Construction, Dry-Cleaning Unit of Ja-28
Notes From the Field Ja-31, F-36, Mar-34, Ap-36, May-36, Jun-34, Jul-32, Au-35, S-54, O-36, N-35, D-37
NRA Puts Welding Shops Under Machine Shop Code O-21

O

Observatory Dome and Building, Welding in Jul-29
Ohio University to Hold Welding Conference Ja-27
Ohio Welding Conference Announced D-26
Oil-Field Equipment, Welded, Built Up From Piping S-48
*Oil-Well Drilling, Welding Applied to F-23
Oxyacetylene Committee Report in Four Sections D-26
Oxyacetylene Cutting (See **Flame Cutting**)
Oxygen, Liquid, Used for Warts and Ivy Poisoning May-32

P

Patents on Electrode Coatings, Disposes of Jun-32
Pavement Rooter Welded From Scrap Materials Ap-25
Petroleum Exposition Scheduled for May Ja-23
Petroleum Fluids, Submits Code for Vessels for Mar-16
Petroleum Vessels, Code Covers Construction of O-29
Philadelphia Section Plans Lecture Course S-33

Pipe—

1,800 Ft. of Steel Pipe With Stainless Interior D-26
*Application of Welding to the Boilers, Piping and Equipment of a Mercury-Steam Power Plant F-26
Arc-Welded Frames of Chrome-Molybdenum Steel Au-29
*Building Reinforcing Cages for Large Colorado River Aqueduct Jul-15
California Gets New All-Welded Pipeline May-19
*Constructing a Welded Pipeline and Marine Terminal in the Persian Gulf O-17
*Design and Construction of a Welded Spherical Manifold Au-26
Flanged Piping Converted to All-Welded System Mar-18
Frozen Pipes Thawed Out With Welding Generators Mar-18
Mighty Welded Tube Was Once a Lowly Railroad Rail, The Jun-13
Motion-Picture Film on Arc-Welded Pipelines Jul-32
Much Welding in New Grandstand F-32
One Set of Curves Covers 136 Pipe Fittings N-19
Receives Contracts for Pipeline Welding O-26
Reconditioning Screw-Joint Pipe for Welding N-22
Stainless-Clad Piping With Arc-Welded Seams Au-28
Steel Pipe Made by Automatic Welding Jul-14
Test Coupons Cut Out of Piping in New Building Ja-27
Views From Boulder Dam Mar-27
Welded Derricks That Are Portable Ja-28
Welded Oil-Field Equipment Built Up From Piping S-48
Welded Oil Pipeline for California S-31

Piston Builds Up, With Sprayed Duralumin Ja-27
*Plant Equipment, Applying Welding to the Construction and Repair of a Wide Variety of S-42
Platform Wheel Stop Made of Weld Beads Jul-27
Plow, Cable-Laying, Built by Welding O-18
Plow Share, Hard-Faces, Then Forges Out Point May-36
Plumbing Shop Does Job Welding in Dull Times Mar-34
*Polariscope, Studying Structural Stresses With the Aid of the Ap-17

Index of Volume XIX, The Welding Engineer (1934)—(Continued)

Lead articles are marked with an asterisk (*)

Legend: Ja, January; F, February; Mar, March; Ap, April; May, May; Jun, June; Jul, July; Au, August; S, September; O, October; N, November; D, December.

Month and Page

*Power Plant, Mercury-Steam, Application of Welding to the Boilers, Piping and Equipment of a ... F-26
Power Plant, Modern, Contributions of Welding to the ... F-15
*Power Plants, Welding and Cutting for Maintenance in ... Au-17

Preheating—

Preheating Furnaces Made of Carbide Cans ... S-54
Repair Requires Careful Preheating and Cooling ... Ap-30
Simple System for Welding Cast-Iron Engine Heads ... O-18
Uses Kerosene Torches for Preheating ... S-41
Uses Steam to Purge Tanks and for Preheating ... O-28
*Welding in Plant Rehabilitation ... F-19

*Presses, Welded—Oxyacetylene Cutting as an Aid to Welded Design ... Ja-13
Pump Shells, Manganese-Steel, Building Up ... O-29
Purdue Conference Sets Record for Enrollment ... D-17
Purdue Welding Conference, Program of ... N-29

Q

Qualification Code, Draws Up Tentative ... Jul-27
Qualification Tests for Welding Operators, The Status of ... May-15
*Qualifies Operators for Bridge Construction and Repair ... May-24
*Qualifying Operators for Government Contract Work ... Mar-17

R

Radio—Welding Takes to the Air in England ... Ap-35
Rails (See **Railroads**)

Railroads (Also See Bridges)—

*All-Welded Construction for New Milwaukee Coaches ... O-27
Mighty Welded Tube Was Once a Lowly Railroad Rail, The ... Jun-13
Orders for Welded Trains Increases Employment ... Au-32
Outlook Is Bright for Extensive Programs of Rail-End Welding ... Mar-13
*Rail-End Welding ... May-20
*Stream-Lined Train Opens New Era in Railroading ... Ap-28
Steam Locomotive With Fusion-Welded Tank ... May-26
*The Welded Car Enters the Local Transportation Field ... Jul-26

Randall, Reg. K., Death of ... Mar-
*Refrigerator Parts, Welding of ... S-28
*Rehabilitation, Plant, Welding in ... F-19

Resistance Welding—

Effect of Design and of Operation on the Power Factor of Resistance Welders ... D-18
*Improving the Quality of Spot Welds ... N-15
*Making Dependable, Speedy, Economical Resistance Welds ... S-30
*More Welding Demonstrations Added to This Year's World's Fair Attractions ... Jun-22
Standards for Arc and Resistance Welders ... Jul-27

Riser Necks, Torch Vs. Grinding Wheel for Reducing ... May-30
Rivets, Worn, Replaced With Welding ... May-27
Rock-Products Plants, Arc Welding Cuts Maintenance Costs in ... O-20
Rooter, Pavement, Welded From Scrap Materials ... Ap-25

S

Safety—

Chemical-Tank Explosions Prove Fatal to Welders ... S-41
Has the Insurance Man Changed His Mind? ... Au-20
Hurry-Up Repair on Tank Causes Tragedy ... May-29

Month and Page

Inspector's Helmet and Hat Combined in One ... Ja-31
Risks in Handling Material in the Welding Shop ... N-24
Safety Congress to Hold Session on Welding ... S-31
Safety Instruction Cards for Welders ... May-30
Tank Builder Found Not Guilty When Vessel Fails ... Jun-26
This Welder Loses His Pants ... F-32
Uses Steam to Purge Tanks and for Preheating ... O-28

St. Paul Has 4-Day Welding Confab ... Mar-16
Salesmen, Welding, A Plant Engineer Looks at ... N-30
Sawmills, Portable, of Welded Construction ... Au-31
Sewage Plant, All-Welded, of New Type ... Ja-24

Schools—

Advanced Course in Welding Engineering ... Au-21
At Age of 73, Learns to Weld and Sets Up Shop ... N-17
Offers Welding as an Accredited Subject ... D-24
Opens Welding School in Youngstown ... Jul-29
School Offers Display Space to Manufacturers ... S-33
Welding Classes Formed in Los Angeles Trade School ... O-28
Welding Courses Offered in Indianapolis ... S-47

Shaft, Thermit Repair on, Releases Street Cars After Tie-Up ... Mar-29

Shipbuilding and Repair—

Gas Welding Approved for Watercraft ... May-19
Launches All-Welded Motor Tanker ... Au-19
*The Status of Welding in Marine Construction ... O-22
Welded Boiler Drums for New Cruisers ... Au-28

Shops (See **Job Welding Shops**)
Softens Hard Spots With Torch Before Drilling ... S-47
*Soldering and Welding of Refrigerator Parts ... S-28
Specifications (See **Codes and Specifications**)
Spot Welding (See **Resistance Welding**)
Stage, Moving, Has All-Welded Frame ... Ja-16

Stainless Steel—

1,800 Ft. of Steel Pipe With Stainless Interior ... D-26
Coca-Cola Co. Orders Stainless-Steel Drums ... F-22
Gate-Valve Seats Repaired With Stainless Steel ... Ja-26
Large Stainless-Steel Order for Liquor Plant ... Mar-18
Large Stainless-Steel Order From Navy ... Ap-30
Stainless-Clad Piping With Arc-Welded Seams ... Au-28
Stainless-Steel Covers for Furnace Annealing ... May-28
*Stream-Lined Train Opens New Era in Railroading ... Ap-28
Tentative Specifications for Welded 18-8 Steel ... Jul-16
*The Welded Car Enters the Local Transportation Field ... Jul-26

Stand, Simple, for Cylindrical Work ... N-17
*Stream-Lined Train Opens News Era in Railroading ... Ap-28
*Stresses, Structural, Studying, With the Aid of the Polariscope ... Ap-17

Structural Steel (Also See Bridges)—

*All-Welded Steel Frame Buildings for Leland Stanford University ... S-26
*Application of Correct Design, Good Welding and Field Testing to Structural Work, The ... Ja-21
*Comparison of Steel and Cast Iron for Stress-Transmitting Mechanisms, A ... D-20
New Buildings to Have Welded 'Quake Bracing ... Ja-27
Strengthens Steel Framework With Reinforcing Plates ... N-30
Structural-Steel Welding in Southern California ... Au-31
Studying Structural Stresses With the Aid of the Polariscope ... Ap-17
*Welded Framework for the Crystal House, A ... Jun-15
Welded Steelwork in the Ford Building at A Century of Progress ... May-22
Welding in Observatory Dome and Building ... Jul-29

T

Month and Page

Tank Builder Found Not Guilty When Vessel Fails ... Jun-26
Tank, Chemical, Explosions Prove Fatal to Welders ... S-41
Tanker, Motor, Launches All-Welded ... Au-19
Tank, Hurry-Up Repair on, Causes Tragedy ... May-29
Tanks, All-Welded, Sprayed With Glass Lining ... Ap-27
*Tanks, Ice-Cream Mixing, Reconditioned by Welding and Metal Spraying ... Au-27
Tanks, Uses Steam to Purge, and for Preheating ... O-28
Tanks, Welded, Lead-Lined, Obtains Contracts for ... Ap-26
Tantalum Sheets, Thin, Welded by the Electric Arc ... N-29
Telescope-Type Lift, Welding Reduces Size of ... Ja-20

Testing—

*Application of Correct Design, Good Welding and Field Testing to Structural Work, The ... Ja-21
Battledeck Floor Performs as Single Unit ... Ap-29
*Comparison of Steel and Cast Iron for Stress-Transmitting Mechanisms, A ... D-20
*Qualifying Operators for Government Contract Work ... Mar-17
Test Coupons Cut Out of Piping in New Building ... Ja-27
*Tests of Welds in Electrolytic Copper Made With Standard Commercial Welding Rods ... May-17
*Using Tests to Determine Correct Set-Up and Procedure for Welding ... Mar-24

Texas and Iowa to Hold Welding Conferences ... N-29
Texas Welding Conference Set for February ... D-17
Thawing Out Frozen Pipes With Welding Generators ... Mar-18
Thermit Repair on Bucket ... May-27
Thermit Repair Releases Street Cars After Tie-Up ... Mar-29
Tire Molds Modernized at Big Savings ... May-28
Towers, Bridge, Welded Base Plates for ... N-28
Trade-In Junk, Accumulates Large Pile of ... D-19
Trade Literature ... Ja-30, F-34, Mar-32, Ap-34, May-34, Jun-31, Jul-31, Au-34, S-52, O-33, N-32, D-34
Trailer, All-Welded, for Transporting Livestock ... N-30
Trailer for Demonstrating Welding and Fuel Gases ... S-41
Truck-Trailer, Welding Can Help in Making Safe the ... S-23
Tubing (See **Pipe**)

V

Valve, Gate, Seats of, Repaired With Stainless Steel ... Ja-26
Valve Seats, Steel Inserted, Hard-Surfacing ... N-22
Vessels for Petroleum Fluids, Submits Code for ... Mar-16
*Vessels, Pressure, Welded, British Now Accept ... S-27
Vessel Welded 5 Years Ago Still in Good Condition ... N-24

W

Warehouse Association, Steel, Expands Its Services ... O-30
Water Heater, Brazed, Tested to 850 Lb. ... Jun-26
Water Skis, Welded, for Duck Hunters ... Ap-29
Waterwheel Generators for Boulder Dam ... May-27
Welders—(See **Arc Welders** and **Resistance Welding**)
Welding Engineer's Wife Speaks Her Mind, A ... D-28
Welding News in Pictures ... Ja-25, F-29, Ap-31, May-31, Jun-27, Jul-28, Au-30, S-37, O-31, N-25
Welding Shops (See **Job Welding Shops**)
Weld Metal Superior to Best Open-Hearth Product ... Jun-25
Wheel Hubs, Builds Up Worn, by Metal Spraying ... O-19
Witherspoon, Robert Allen, Receives Morehead Medal ... D-24
*Wobbler Ends of Strip-Mill Rolls, Cast-Iron Arc-Welding of ... S-25
Wood, Oxyacetylene Charring of, for Ornamentation ... Jun-16